

00/527523

(12) NACH DEM VEREINBAR ÜBER DIE INTERNATIONALE ZUSAMMENARBEIT AUF DEM GEBIET DES
PATENTWESENS (PCT) VERÖFFENTLICHTE INTERNATIONALE ANMELDUNG(19) Weltorganisation für geistiges Eigentum
Internationales Büro(43) Internationales Veröffentlichungsdatum
15. April 2004 (15.04.2004)

PCT

(10) Internationale Veröffentlichungsnummer
WO 2004/031202 A3(51) Internationale Patentklassifikation⁷: C07H 3/06,
15/04, A23L 1/236, A61K 31/702, A61P 43/00

(21) Internationales Aktenzeichen: PCT/EP2003/009725

(22) Internationales Anmeldedatum:
2. September 2003 (02.09.2003)

(25) Einreichungssprache: Deutsch

(26) Veröffentlichungssprache: Deutsch

(30) Angaben zur Priorität:
102 42 062.9 11. September 2002 (11.09.2002) DE(71) Anmelder (für alle Bestimmungsstaaten mit Ausnahme
von US): SÜDZUCKER AKTIENGESELLSCHAFT
MANNHEIM/OCHSENFURT [DE/DE]; Maximilianstrasse 10, 68165 Mannheim (DE).

(72) Erfinder; und

(75) Erfinder/Anmelder (nur für US): HAJI BEGLI,
Alireza [DE/DE]; Gartenstrasse 4, 67305 Ramsen (DE).
KLINGEBERG, Michael [DE/DE]; Ulmenweg 14,
67269 Grünstadt (DE). KUNZ, Markwart [DE/DE];
Kernerstrasse 8, 67550 Worms (DE). VOGEL, Manfred
[DE/DE]; Am Höllpfad 1, 67271 Neulciningen (DE).(74) Anwälte: SCHRELL, Andreas usw.; Leitzstrasse 45,
70469 Stuttgart (DE).(81) Bestimmungsstaaten (national): AE, AG, AL, AM, AT,
AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR,
CU, CZ, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,
SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.(84) Bestimmungsstaaten (regional): ARIPO-Patent (GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
eurasisches Patent (AM, AZ, BY, KG, KZ, MD, RU, TJ,
TM), europäisches Patent (AT, BE, BG, CH, CY, CZ, DE,
DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL,
PT, RO, SE, SI, SK, TR), OAPI-Patent (BF, BJ, CF, CG,
CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Veröffentlicht:

- mit internationalem Recherchenbericht
- vor Ablauf der für Änderungen der Ansprüche geltenden Frist; Veröffentlichung wird wiederholt, falls Änderungen eintreffen

(88) Veröffentlichungsdatum des internationalen
Recherchenberichts: 6. Mai 2004

Zur Erklärung der Zweibuchstaben-Codes und der anderen Abkürzungen wird auf die Erklärungen ("Guidance Notes on Codes and Abbreviations") am Anfang jeder regulären Ausgabe der PCT-Gazette verwiesen.

WO 2004/031202 A3

(54) Title: CONDENSED PALATINOSE IN HYDROGENATED FORM

(54) Bezeichnung: KONDENSIERTE PALATINOSE IN HYDRIERTER FORM

(57) Abstract: The invention relates to methods for producing condensed palatinose in hydrogenated form, to hydrogenated condensed palatinose produced thereby, to uses of this palatinose, and to foodstuffs and medicaments containing hydrogenated condensed palatinose.

(57) Zusammenfassung: Die vorliegende Erfindung betrifft Verfahren zur Herstellung von kondensierter Palatinose in hydrierter Form, so hergestellte hydrierte kondensierte Palatinose, Verwendungen derselben sowie hydrierte kondensierte Palatinose enthaltende Lebensmittel und Arzneimittel.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/09725

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07H3/06 C07H15/04 A23L1/236 A61K31/702 A61P43/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07H A23L A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 38 18 884 A (MITSUI SUGAR CO) 5 January 1989 (1989-01-05) the whole document	1,42,66
A	US 5 936 081 A (DEGELMANN HANSPETER ET AL) 10 August 1999 (1999-08-10) the whole document	1,42
A	TANAKA ET AL: "STRUCTURE OF OLIGOSACCHARIDES PREPARED BY ACIDIC CONDENSATION OF PALATINOSE" JOURNAL OF CARBOHYDRATE CHEMISTRY, NEW YORK, NY, US, vol. 12, no. 1, 1993, pages 49-61, XP009016354 ISSN: 0732-8303 the whole document	1

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

26 February 2004

Date of mailing of the international search report

05/03/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

de Nooy, A